



Perry Park Water and Sanitation District
5676 West Red Rock Drive
Larkspur, Colorado 80118
303.681.2050
www.ppwsd.org

Service Line - General Information Summary

Site Plans

- ✚ The District has one original site plan for the property that is noted as approved by the District.
- ✚ The Service Line Installer must have one original site plan that is noted as approved by the District at the job site at all times. This original site plan cannot have any notes or markings other than those made by the District.
- ✚ The Service Line Installer must follow the site plan exactly.
- ✚ All water and sewer taps must be witnessed by District.

Water Service Line

- ✚ Meter pit must be installed at the property line.
- ✚ Meter pit cannot be concrete.
- ✚ Meter pit must be 24 inches.
- ✚ Meter pit lid and curb stop must be minimum 3 feet from driveway.
- ✚ The final elevation of the meter pit is very important.
- ✚ 4 to 1 maximum slope must be maintained 3 feet around the meter pit vault.
- ✚ The material for the pipe is K-Copper or DR9 HDPE.
- ✚ Lock tight compression fittings must be used.
- ✚ Water and sewer services must be ten feet apart from property line to foundation.
- ✚ Natural bedding, with no rocks can be used after April 1 and before December 1.
- ✚ Road base or Class 6 squeegee must be used between December 1 and April 1.
- ✚ Water marking tape must be installed in trenches, one backhoe bucket above pipe.
- ✚ Water marking tape must be purchased from the District for \$55/per roll.
- ✚ A 6 foot minimum of coverage is required over water service line.
- ✚ The water will remain off and the meter pit lid locked until the final / meter pit inspection has been completed.

Sewer Service Line

- ✚ Clean-outs must be installed at every bend.
- ✚ Property line clean-out must be 2 foot from driveway.
- ✚ The sewer pipe must be straight between clean-outs.
- ✚ 45 degrees is the biggest bend allowed.
- ✚ The material for the pipe is SDR-35.
- ✚ No glue is allowed except for a District approved sewer service drop.
- ✚ Water and sewer service lines must be ten feet apart from property line to foundation.
- ✚ Sewer marking tape must be installed in trenches, one backhoe bucket above pipe.
- ✚ Sewer marking tape must be purchased from the District for \$55/per roll.
- ✚ A 3 foot minimum of coverage is required over gravity sewer service line.
- ✚ A 6 foot minimum of coverage is required over a pressurized sewer line.

Inspections

- ✚ Inspections must be scheduled twenty four hours in advance.
- ✚ Cancellation of inspection must be made by 9am the day of the inspection.
- ✚ Winter inspections (December 1 thru April 1) are scheduled between 10am and 2pm.
- ✚ All other inspections are scheduled between 9am and 3pm.
- ✚ A failed inspection will result in a \$50 failed inspection fee.
- ✚ A no-show is considered a failed inspection.
- ✚ Not having the approved site plan at the inspection is considered a failed inspection.
- ✚ A short notice inspection may be scheduled for a \$50 inspection fee.

Warranty

- ✚ Materials and Labor under warranty for one year.



CONSTRUCTION STANDARDS AND SPECIFICATIONS
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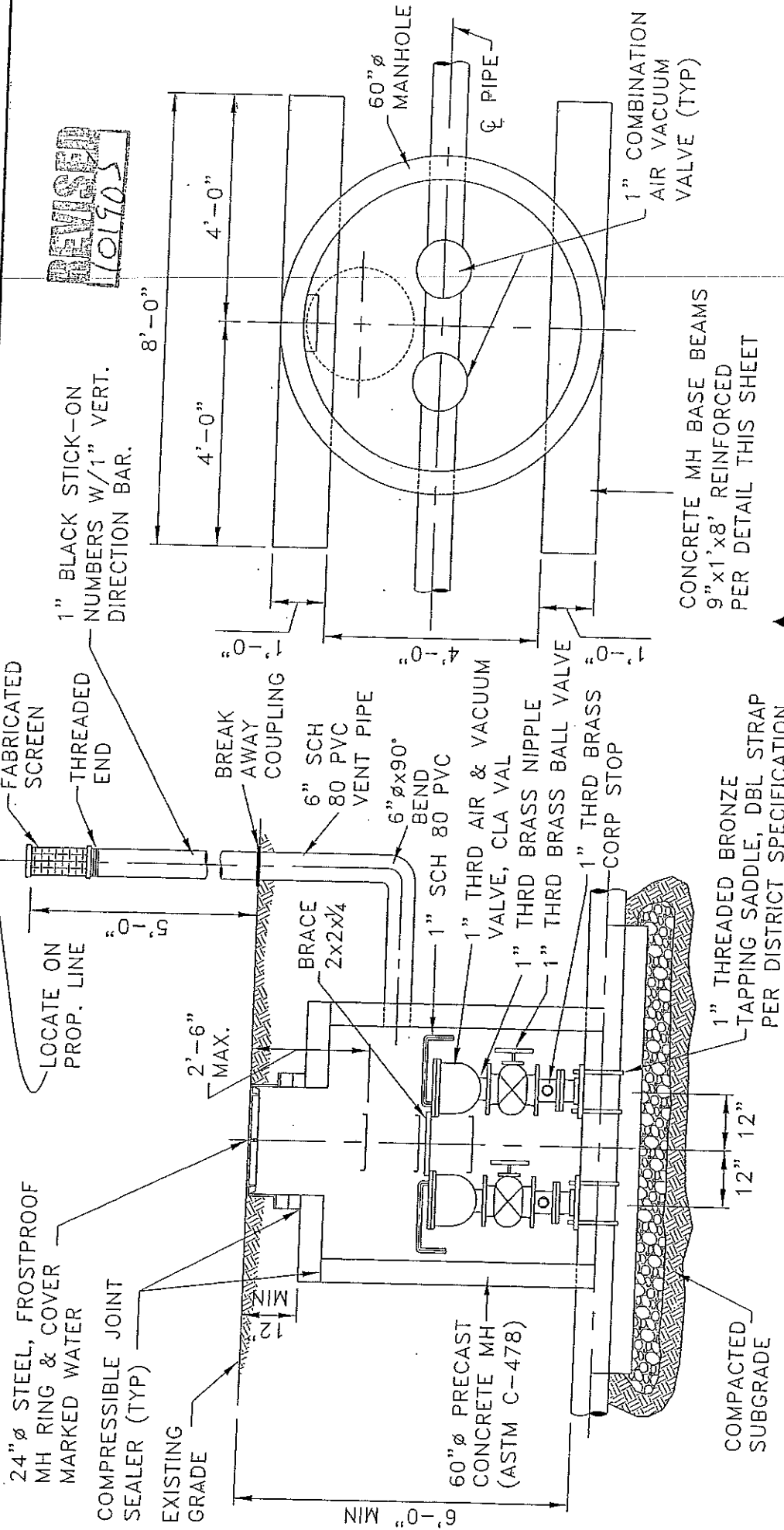
Perry Park Water and Sanitation District
5676 West Red Rock Drive
Larkspur, Colorado 80118

Telephone: 303.681.2050
Fax: 303.681.2051
www.ppwsd.org

CONSTRUCTION STANDARDS AND SPECIFICATIONS
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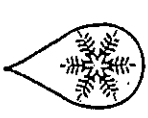
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REVISED
11/01/03



PLAN

SECTION



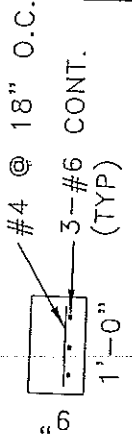
PROTECT
PRECIOUS
WATER
SUPPLY

**AIR & VACUUM VALVE
INSTALLATION**

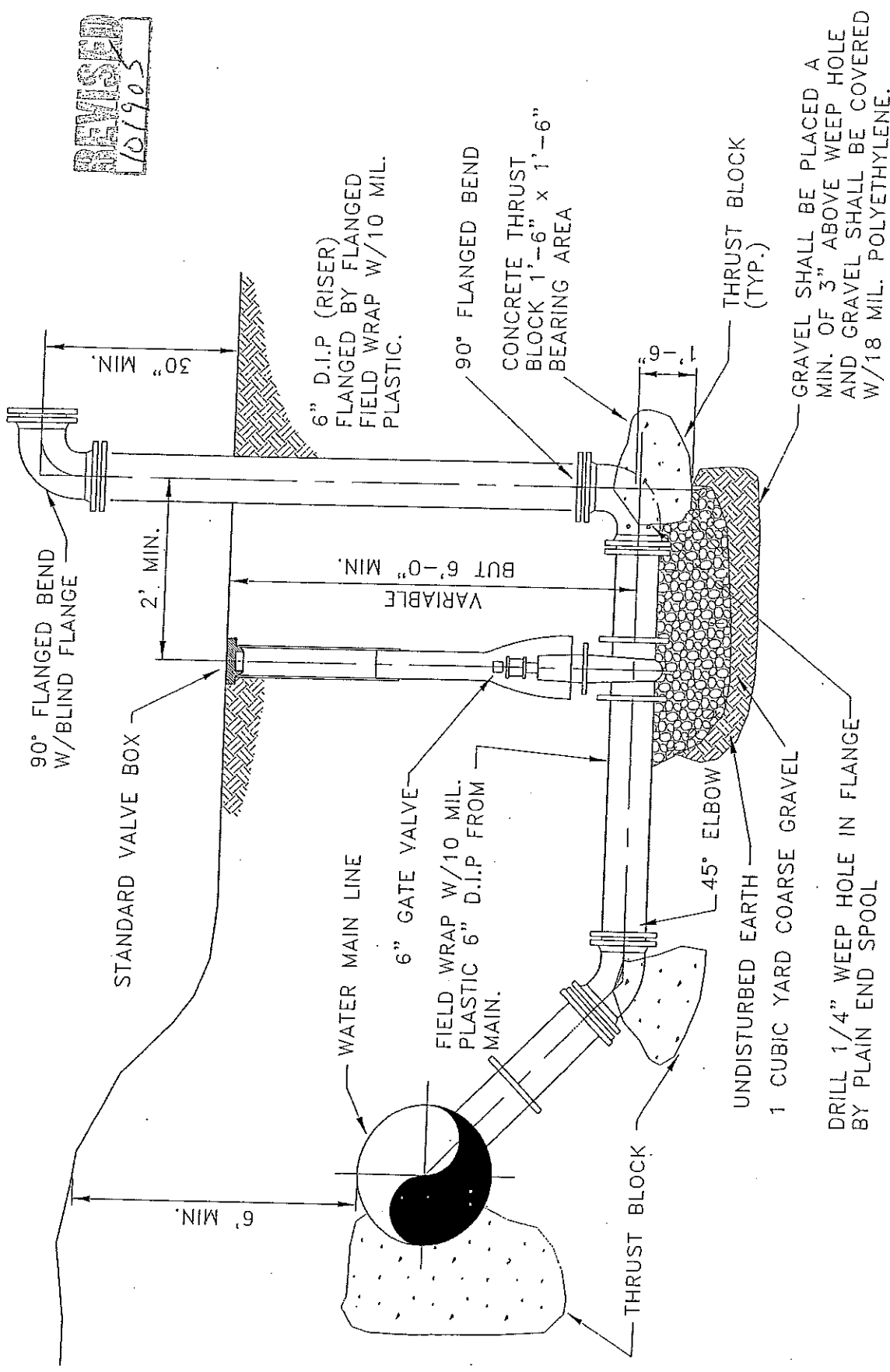
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT
LAST REVISION 11-22-02

FOOTING DETAIL



REVISED
10/903



BLOW-OFF & TEMPORARY FIREHOSE CONNECTION

The **Engineering Company**
FORT COLLINS, COLORADO

N.T.S.

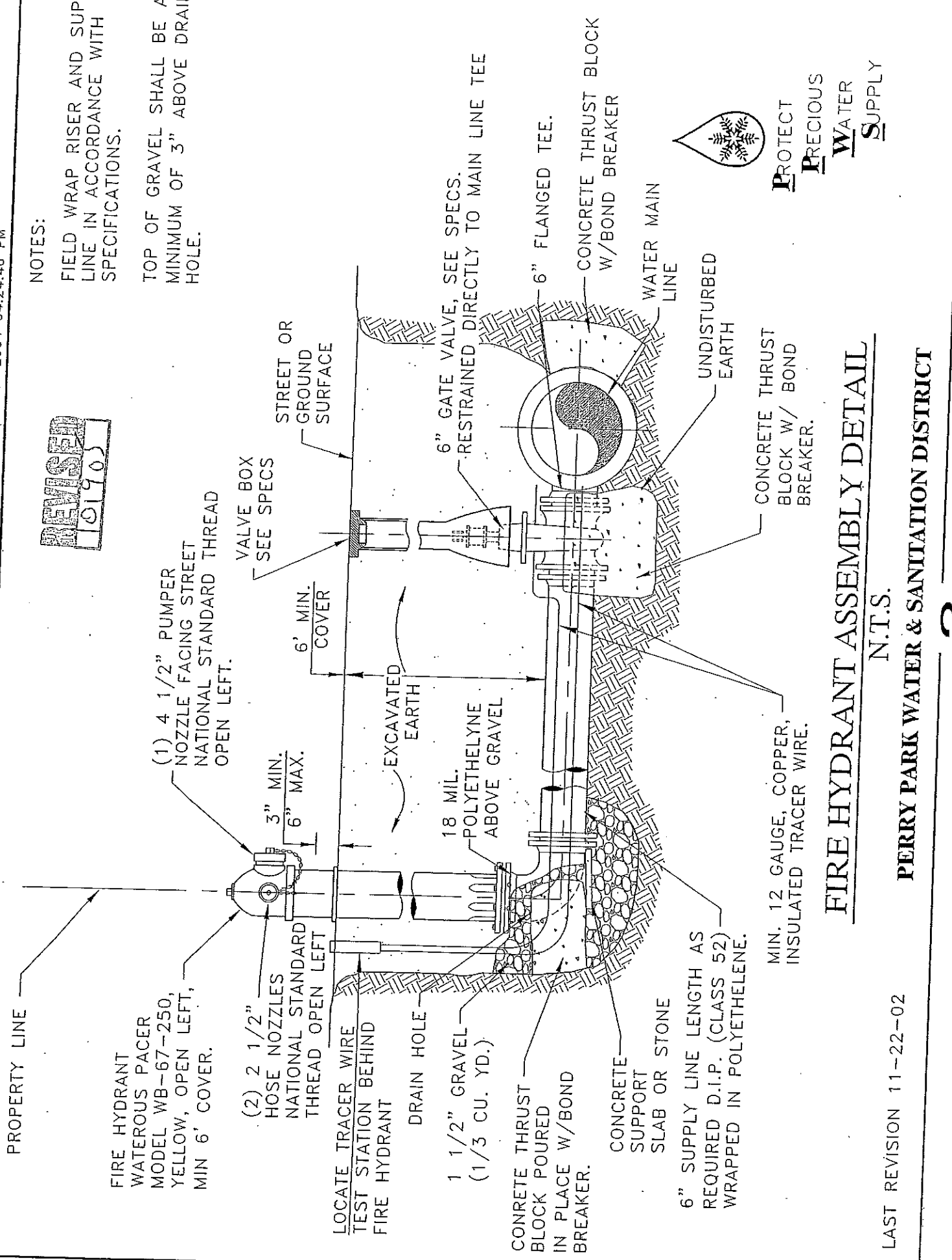
BLOWOFF AND TEMPORARY
FIRE HOSE CONNECTION
1 OF 1

REVISED
101903

NOTES:

FIELD WRAP RISER AND SUPPLY LINE IN ACCORDANCE WITH SPECIFICATIONS.

TOP OF GRAVEL SHALL BE A MINIMUM OF 3" ABOVE DRAIN HOLE.



6" SUPPLY LINE LENGTH AS REQUIRED D.I.P. (CLASS 52) WRAPPED IN POLYTHELENE.

MIN. 12 GAUGE, COPPER, INSULATED TRACER WIRE.

FIRE HYDRANT ASSEMBLY DETAIL

N.T.S.

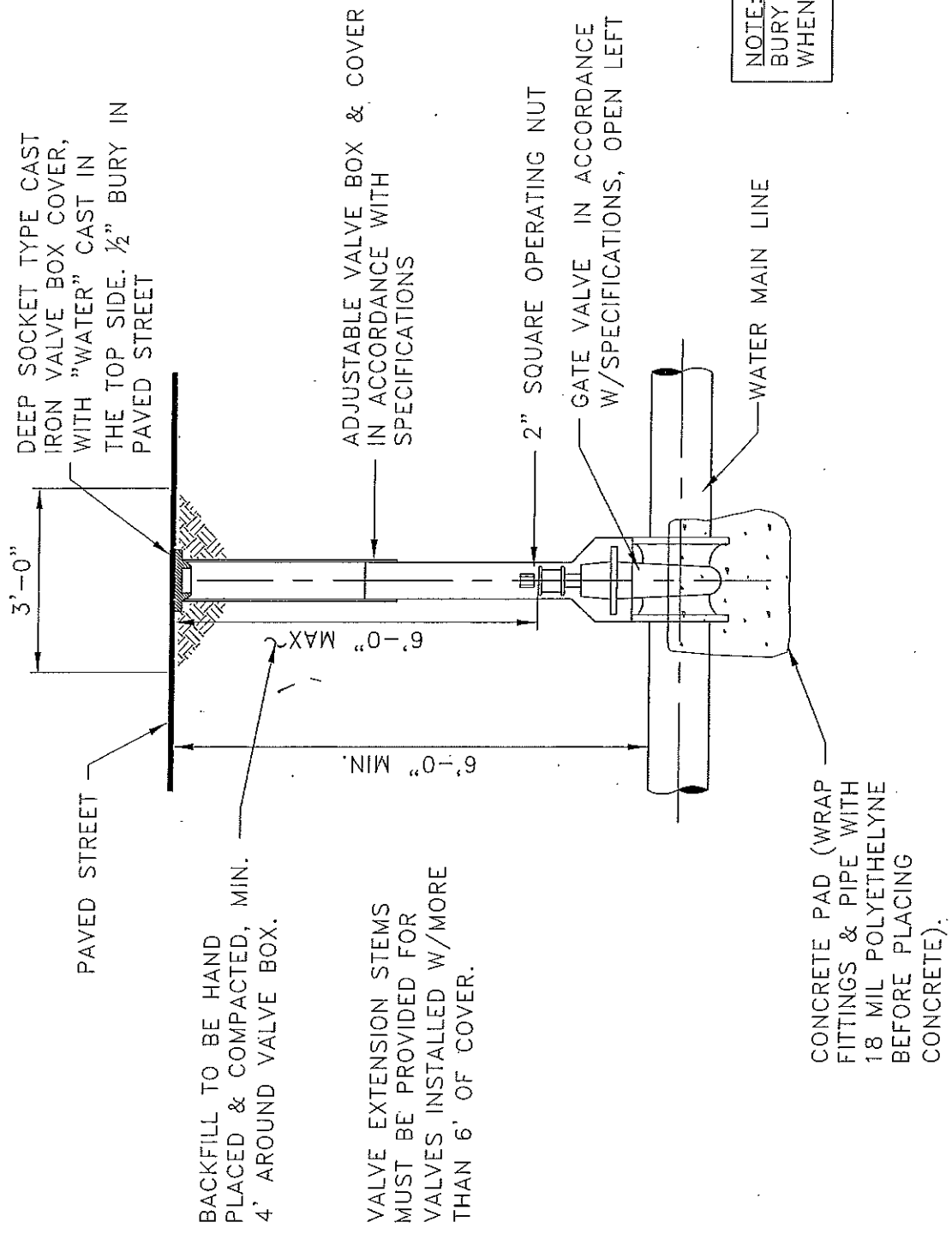
LAST REVISION 11-22-02

PERRY PARK WATER & SANITATION DISTRICT



PROTECT
PRECIOUS
WATER
SUPPLY

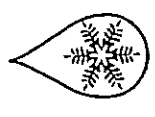
REVISED
12/14/05



BACKFILL TO BE HAND PLACED & COMPACTED, MIN. 4' AROUND VALVE BOX.

VALVE EXTENSION STEMS MUST BE PROVIDED FOR VALVES INSTALLED W/MORE THAN 6' OF COVER.

CONCRETE PAD (WRAP FITTINGS & PIPE WITH 18 MIL POLYETHYLENE BEFORE PLACING CONCRETE).



**PROTECT
PRECIOUS
WATER
SUPPLY**

NOTE: VALVE COVER 3" to 6" BURY IN ROAD SHOULDER.

GATE VALVE ASSEMBLY DETAIL

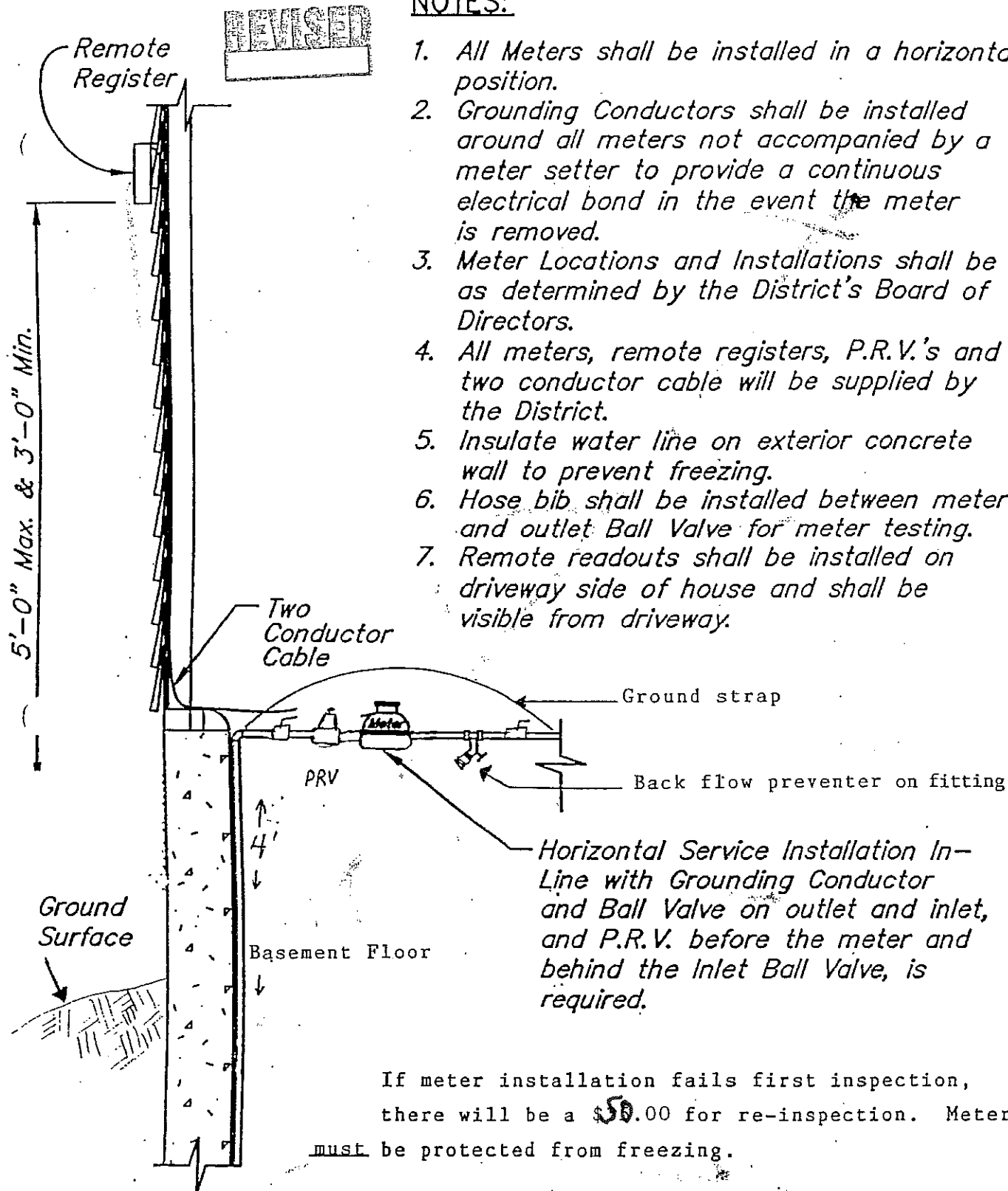
N.T.S.

LAST REVISION 12-14-05

PERRY PARK WATER & SANITATION DISTRICT

NOTES:

1. All Meters shall be installed in a horizontal position.
2. Grounding Conductors shall be installed around all meters not accompanied by a meter setter to provide a continuous electrical bond in the event the meter is removed.
3. Meter Locations and Installations shall be as determined by the District's Board of Directors.
4. All meters, remote registers, P.R.V.'s and two conductor cable will be supplied by the District.
5. Insulate water line on exterior concrete wall to prevent freezing.
6. Hose bib shall be installed between meter and outlet Ball Valve for meter testing.
7. Remote readouts shall be installed on driveway side of house and shall be visible from driveway.



If meter installation fails first inspection, there will be a \$50.00 for re-inspection. Meters must be protected from freezing.

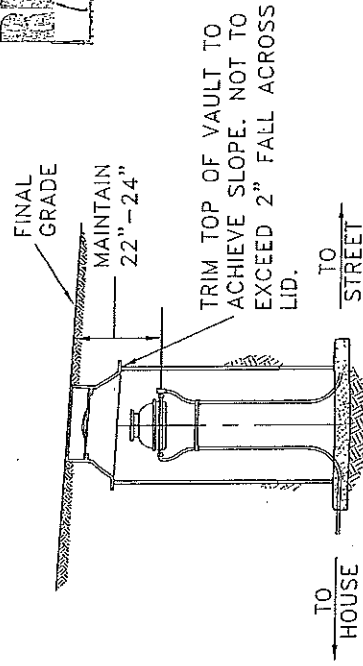
681-2050

CONSTRUCTION
STANDARDS

IN-HOUSE
METER
INSTALLATION

PERRY PARK WATER &
SANITATION DISTRICT

REVISED
10/17/03

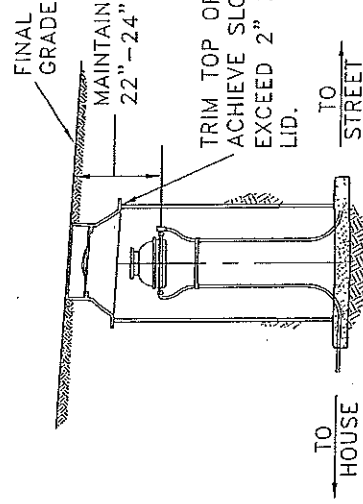


PREFABRICATED
TAPERED TRIM PIECE
TO ACHIEVE SLOPE.
NOT TO EXCEED 2"
FALL ACROSS LID.

TRIM TOP OF VAULT TO
ACHIEVE SLOPE. NOT TO
EXCEED 2" FALL ACROSS
LID.

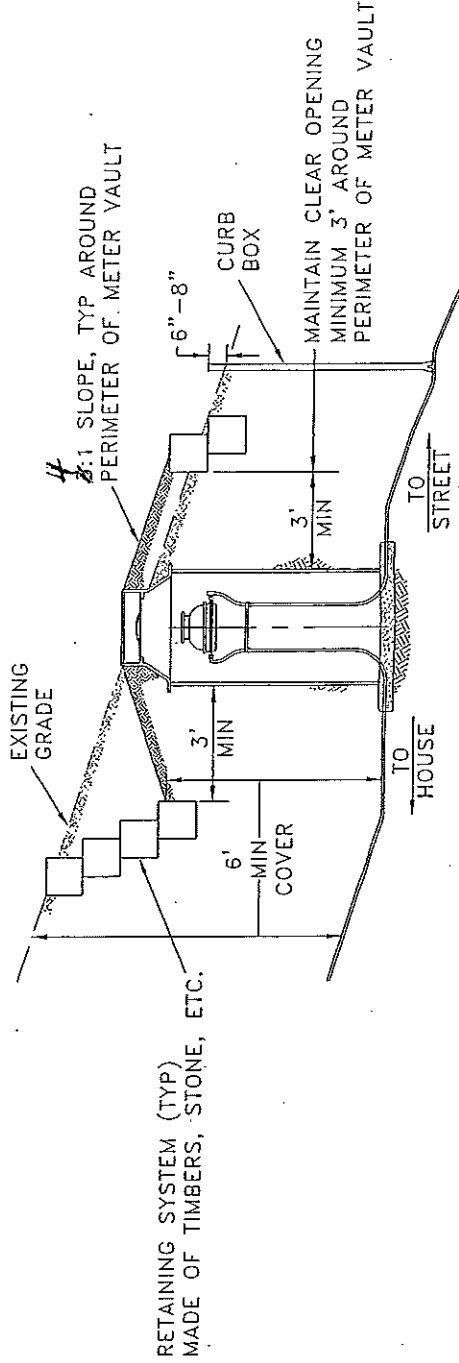
TO HOUSE
TO STREET

OPTION A



OPTION B

ACCEPTABLE OPTIONS FOR GRADE
ADJUSTMENTS FOR COVERS



RETAINING SYSTEM (TYP)
MADE OF TIMBERS, STONE, ETC.

**METER VAULT
GRADING DETAIL**

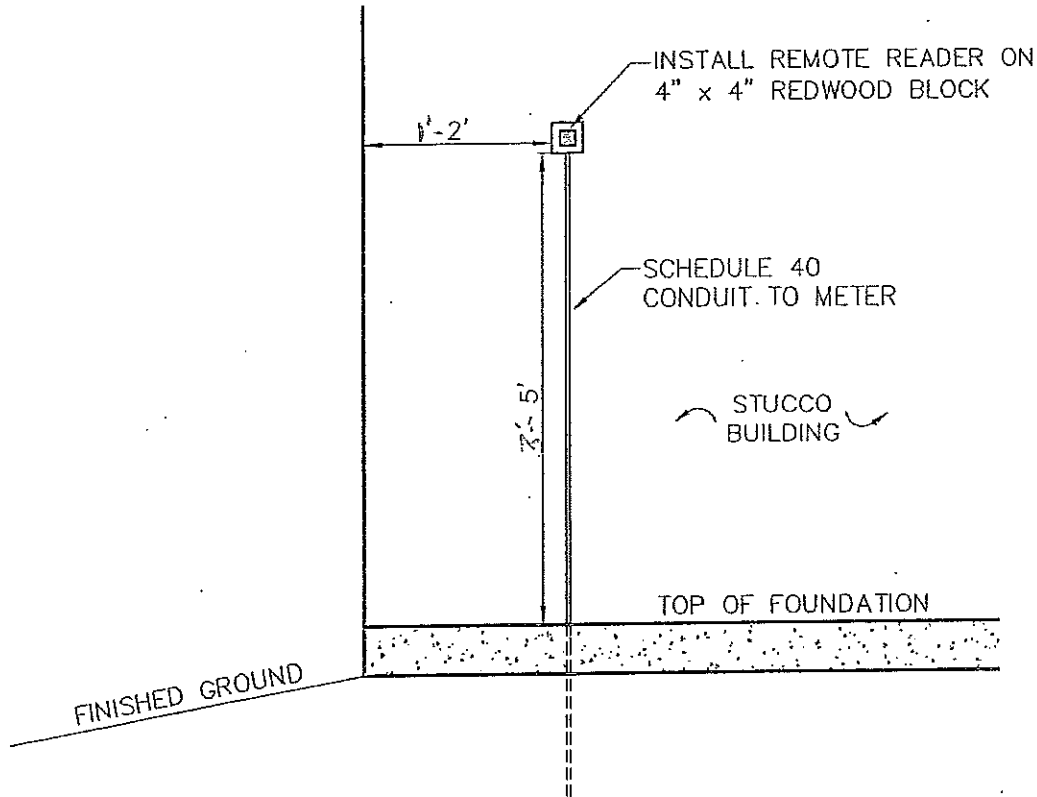
N.T.S.



**PROTECT
PRECIOUS
WATER
SUPPLY**

11-24-08

Remote: 3' to 5' above grade
1' to 2' from corner



OK
S. [Signature]
OK D. Miller

REMOTE READER DETAIL

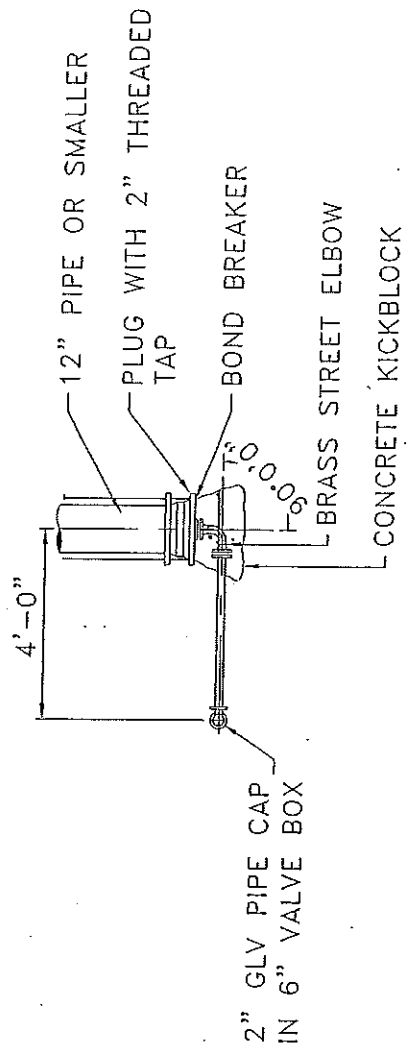
PERRY PARK RIDGE
JOB NO. 6017
APRIL 17, 2008
SHEET 1 OF 1

JONES ENGINEERING
ASSOC., INC.

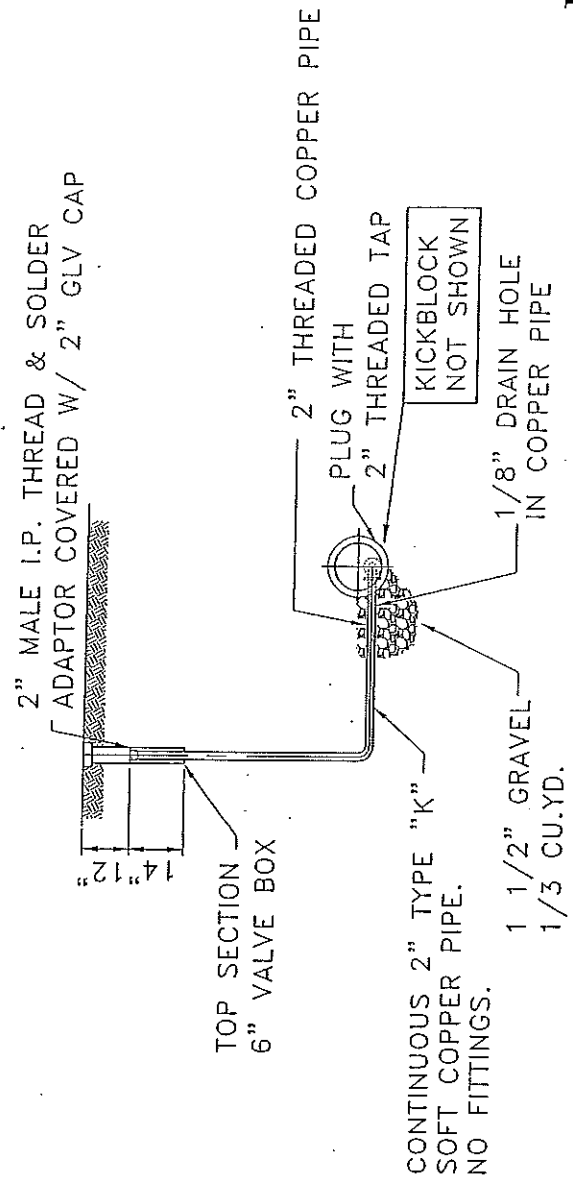
2120 W. Littleton Blvd., Suite 205
Littleton, Colorado 80120
Phone: 303-738-0283 Fax: 303-738-0285

7

REVISED
10/19/90

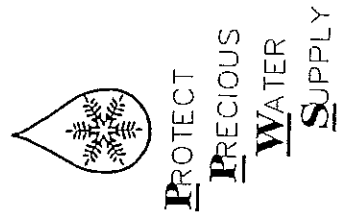


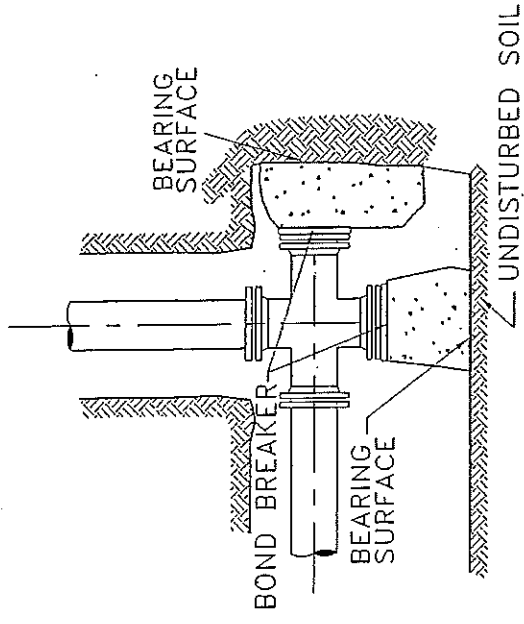
PLAN
N.T.S.



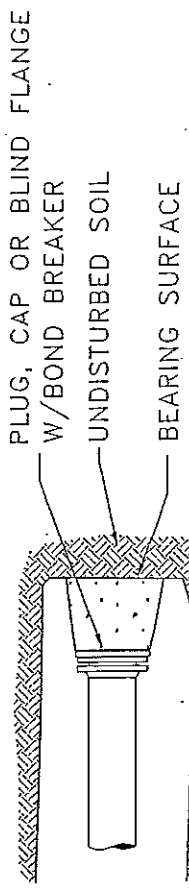
CONTINUOUS 2" TYPE "K"
SOFT COPPER PIPE.
NO FITTINGS.

**TEMPORARY BLOW OFF
ASSEMBLY**
N.T.S.

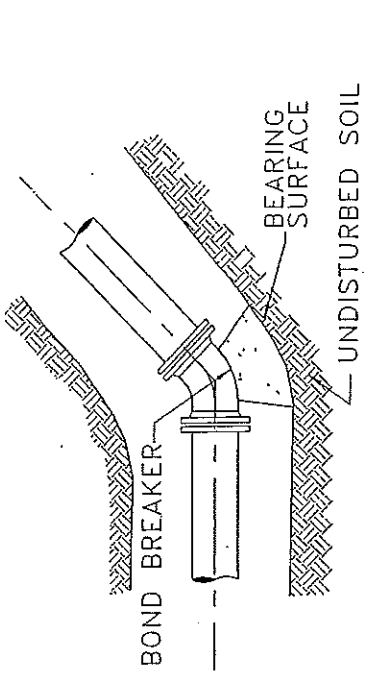
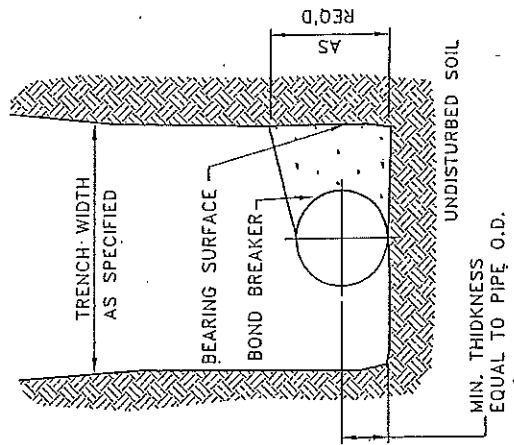




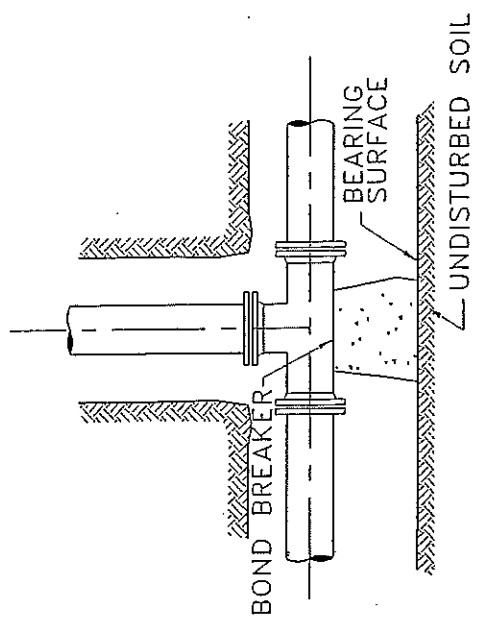
**CROSS W/ DEAD
END BRANCHES**



DEAD END



**BEND—HORIZONTAL OR
BOTTOM OF VERTICAL**



TEE

150 PSI WATER PRESSURE
2000 PSF SOIL BEAR. LD.

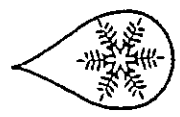
PIPE SIZE DIA.	WIDTH	DEPTH
6"	2'-0"	2'-0"
8"	2'-9"	2'-6"
10"	3'-6"	3'-0"
12"	4'-0"	3'-9"
14"	4'-6"	4'-6"
16"	5'-0"	5'-0"

MIN. THRUST BLOCK DIM.

THRUST BLOCK DETAIL

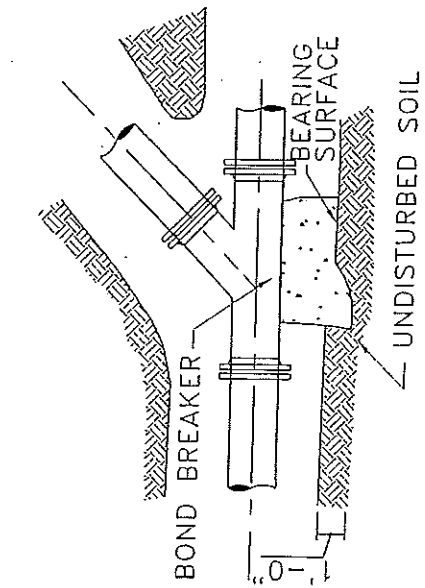
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT

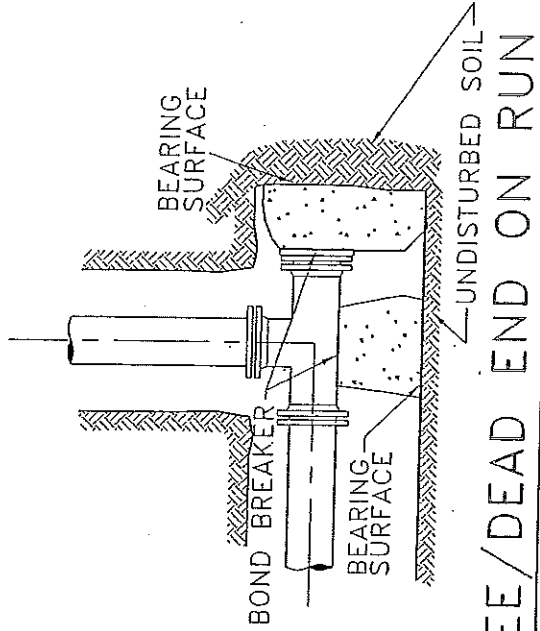


**PROTECT
PRECIOUS
WATER
SUPPLY**

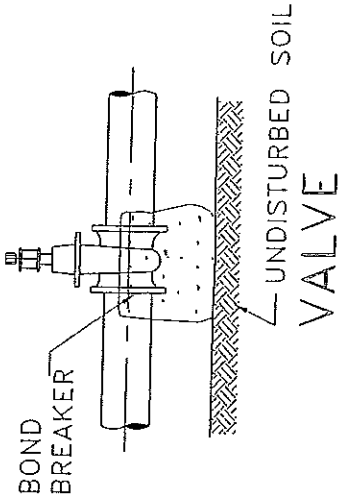
REVISED
10/90



WYE



TEE/DEAD END ON RUN

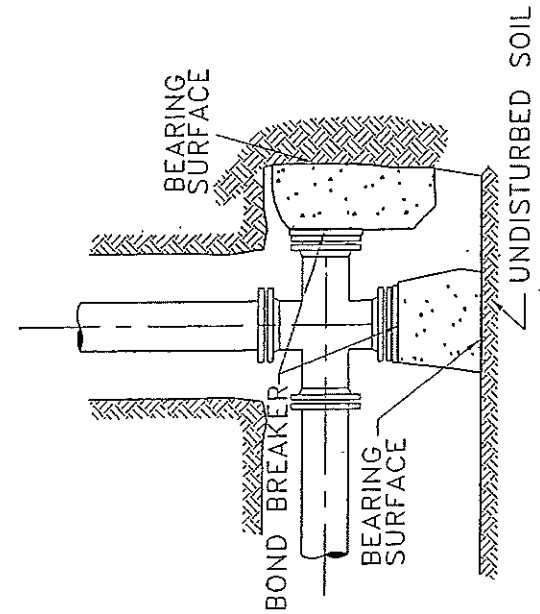


PROTECT
PRECIOUS
WATER
SUPPLY

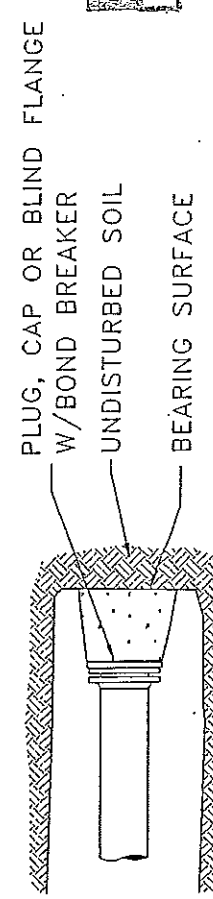
THRUST BLOCK DETAIL

N.T.S.

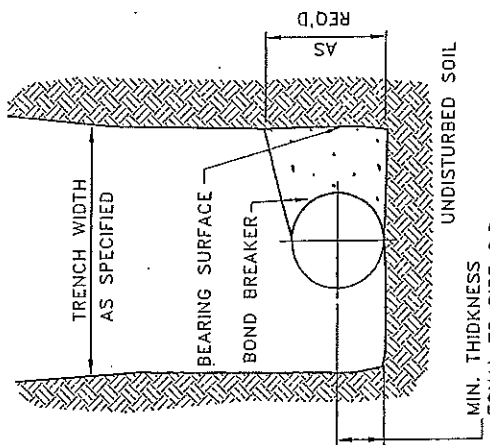
PERRY PARK WATER & SANITATION DISTRICT



**CROSS W/ DEAD
END BRANCHES**



DEAD END



MIN. THICKNESS
EQUAL TO PIPE O.D.

150 PSI WATER .PRESSURE
2000 PSF SOIL BEAR. LD.

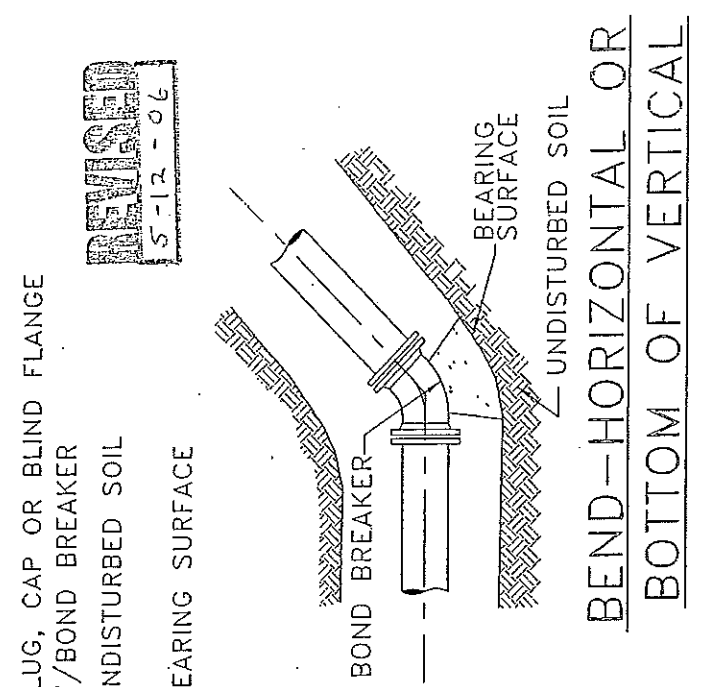
PIPE SIZE DIA.	WIDTH	DEPTH
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8"	2'-9"	2'-6"
10"	3'-6"	3'-0"
12"	4'-0"	3'-9"
14"	4'-6"	4'-6"
16"	5'-0"	5'-0"

MIN. THRUST BLOCK DIM.

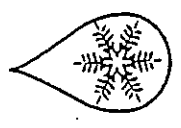
THRUST BLOCK DETAIL

N.T.S.

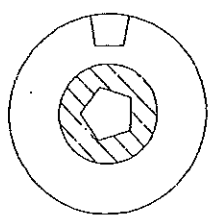
PERRY PARK WATER & SANITATION DISTRICT



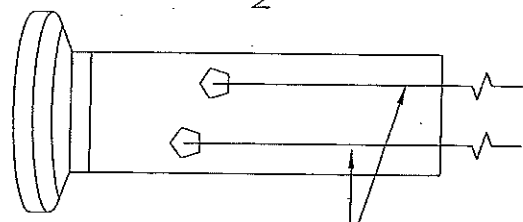
**BEND - HORIZONTAL OR
BOTTOM OF VERTICAL**



**PROTECT
PRECIOUS
WATER
SUPPLY**



LOCKING LID
PLAN VIEW



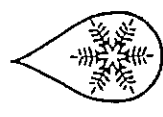
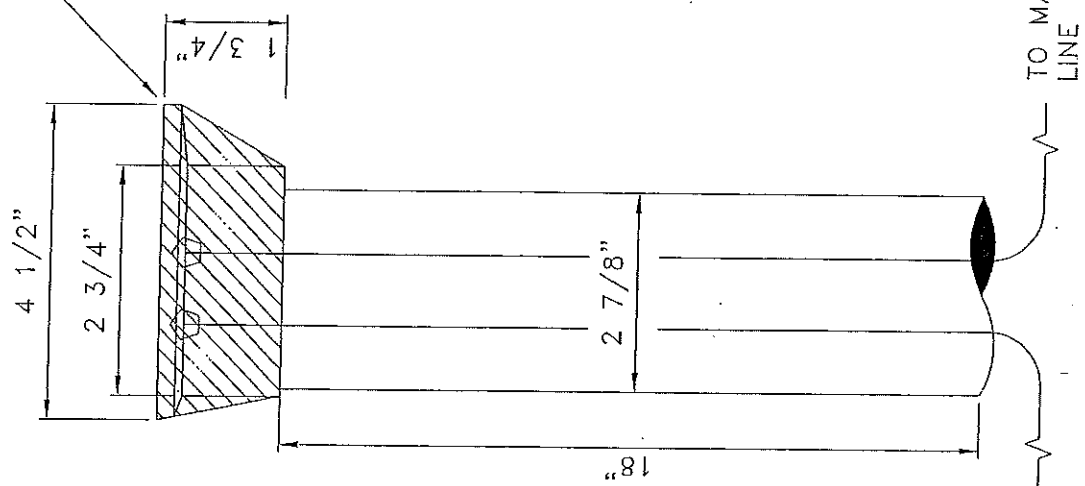
LOCKING LID
SECTION

MINIMUM 16 GAUGE.
COPPER, INSULATED
TRACER WIRE. WIRE
TO BE CONTINUOUS
BETWEEN TEST STATIONS
W/O SPLICES.

NOTE: TEST STATION
TO HAVE 2
TERMINALS.

REVISED
10/90

LOCKING LID, SEE
SECTION, PLAN
VIEW THIS SHEET.



PROTECT
PRECIOUS
WATER
SUPPLY

TRACER WIRE TEST STATION DETAIL

N.T.S.

LAST REVISION 11-22-02

PERRY PARK WATER & SANITATION DISTRICT

REVISED
10/19/05

REMOTE READOUT CONDUIT
SCH. 40 SOLVENT WELD.
CORE OPENING IN THE SIDE
OF VAULT AT LOCATION
SHOWN.

RADIUS AND LENGTH OF NEW COPPER
SERVICE PIPE TO VARY AS REQUIRED
TO ADJUST GRADE BETWEEN METER
YOKE AND EXISTING SERVICE LINE.

METER SIZE	"A"
5/8" x 3/4"	24"
1" & LARGER	*

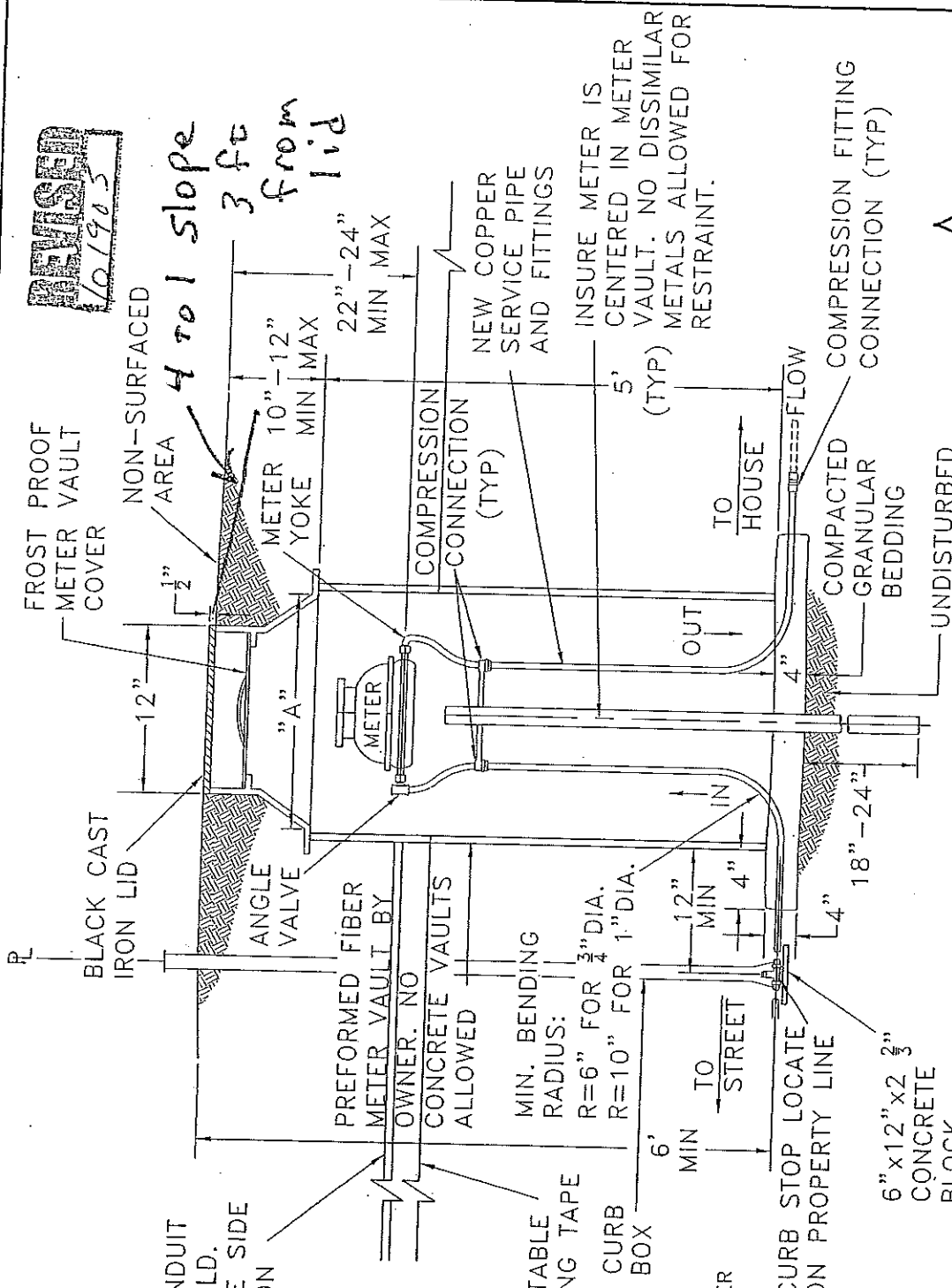
* CONSULT WITH DISTRICT FOR SIZE
DETERMINATION BEFORE INSTALLING METER
VAULT.

NOTE:
1. PRESSURE REGULATING VALVE TO BE
INSTALLED AT METER (SEE PLAN VIEW).
NEEDED AND REQUIRED BY PERRY PARK
WATER AND SANITATION DISTRICT.

2. ALL COMPONENTS OF METER VAULT TO
BE FROM THE SAME MANUFACTURER.

3. MIN 95% COMPACTION OF DISTURBED
SOIL AROUND VAULT AND SERVICE LINE
TRENCHES, MAX 24" LIFTS. DISTRICT'S
REPRESENTATIVE HAS THE AUTHORITY TO
REQUIRE COMPACTION TESTING AT
CONTRACTOR'S EXPENSE.

LAST REVISION 6-23-2003



**ELEVATION
SECTION**

WATER METER ASSEMBLY

N.T.S.

PERRY PARK WATER & SANITATION DISTRICT



REVISED
10/9/03

4-10-1

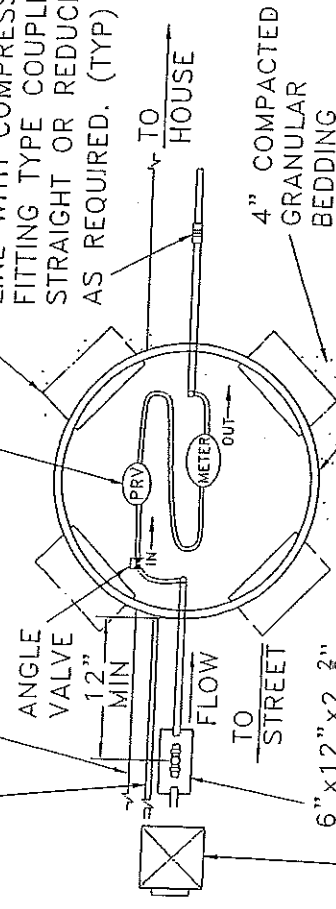
SCH. 40 SOLVENT WELD CONDUIT.
CORE OPENING INTO SIDE OF METER
VAULT. SILICONE SEAL BOTH ENDS
OF CONDUIT.

4ea 6"W x 12"L x 2 3/4"
PRECAST CONCRETE BASE
BLOCKS TO BE PLACED
UNIFORMLY AT EACH
QUADRANT.

DETECTABLE
TRACER TAPE,
LOCATE DIRECTLY
ABOVE SERVICE
LINE.

PRESSURE
REGULATING
VALVE.

CONNECT TO EXISTING SERV.
LINE WITH COMPRESSION
FITTING TYPE COUPLING,
STRAIGHT OR REDUCING TYPE
AS REQUIRED. (TYP)



OUTLINE OF
METER VAULT.

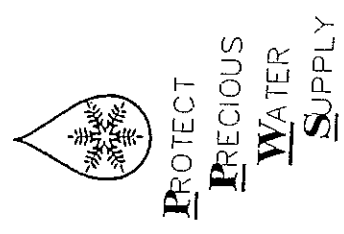
4" x 4" x 4' REDWOOD FENCE
POST WITH BRONZE, BRASS
OR BLACK PLASTIC FENCE
POST CAP. POST TO EXTEND
24"-30" ABOVE FINAL GRADE.
FINAL PLACEMENT OF REMOTE
READOUT POST TO BE
DETERMINED BY THE DISTRICT.
POST TO BE DIRECTLY IN LINE
W/CURB STOP & METER VAULT.

- NOTE:
- THE DISTRICT MUST APPROVE THE FINAL LOCATION OF THE METER VAULT PER APPROVED SITE PLAN.
 - IN SLOPED SURFACE AREAS, THE VAULT COVER SHALL BE ADJUSTED TO GRADE BY SKEWING ONLY THE COVER.
 - IN SLOPED NON-SURFACED AREAS THE VAULT COVER SHALL BE SET 1" ABOVE THE HIGHEST ADJACENT EXISTING ELEVATION AND THE AREA AROUND THE VAULT REGRADED AT 4% MAXIMUM SLOPE.
 - SURFACE DRAINAGE SHALL BE DIRECTED AWAY FROM METER VAULT STRUCTURE.
 - METER, METER YOKE, DETECTABLE TRACER TAPE AND PRV VALVE TO BE PURCHASED FROM DISTRICT.
 - THE DISTRICT REQUIRES INSTALLATION OF A BALL VALVE IN THE HOUSE AT CUSTOMER POINT OF DISCONNECT.
 - IN THE EVENT SPECIAL CIRCUMSTANCES ARISE WHICH DO NOT ALLOW FOR CONFORMANCE TO THE STANDARDS, CONSULT THE DISTRICT AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION.
 - THE DISTRICT AUTHORIZED REPRESENTATIVE HAS THE AUTHORITY TO REQUIRE ADDITIONAL WORK AS NEEDED PRIOR TO FINAL ACCEPTANCE.

PLAN SECTION
WATER METER ASSEMBLY

N.T.S.

PERRY PARK WATER & SANITATION DISTRICT



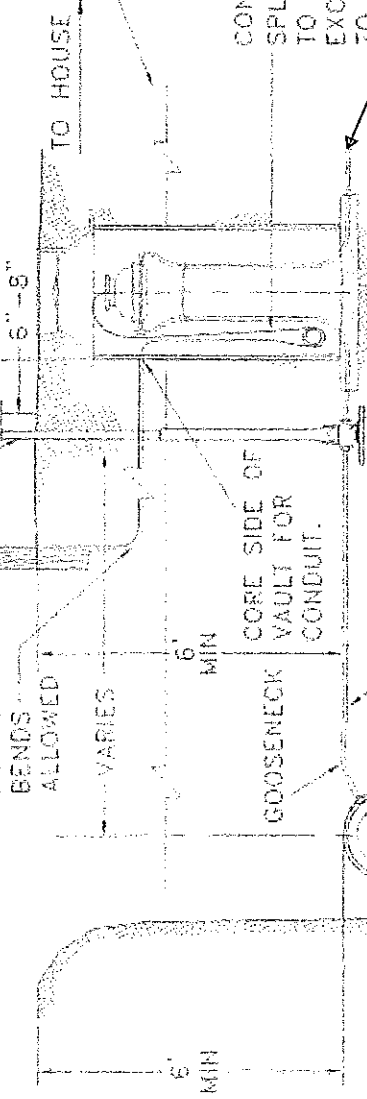
**LAST REVISION
05-21-2018**

CURB BOX McDONALD,
BOX ARCH TYPE 5501.

REDWOOD FENCE POST WITH BLACK
PLASTIC, BRONZE, OR BRASS POST CAP.
SILICONE SEAL BOTH ENDS OF CONDUIT.
REMOTE READER TO BE PLACED 2" FROM
TOP OF POST.

DRILL HOLE IN
POST FOR REMOTE
READOUT WIRE.
NO 90°
BENDS
ALLOWED

LOCATE CURB STOP
ON PROPERTY LINE.



DETECTABLE WARNING
TAPE FROM MAIN TO
HOUSE. TAPE TO BE
PURCHASED FROM
DISTRICT.

CONTINUOUS WIRE (NO
SPICES) FROM METER
TO REMOTE READOUT.
EXCESS WIRE IN ROLL
TO REMAIN IN VAULT.

SERVICE LINE MATERIAL AFTER
COMPRESSION COUPLING
(OUTSIDE OF METER) TO THE
HOUSE SHALL BE SEAMLESS
TYPE "K" COPPER OR DR9 HDPE.

CURB STOP SUITABLE FOR
COMPRESSED COPPER
INLETS AND OUTLETS.
FORD 844-335 OR EQUAL.

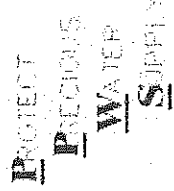
SEAMLESS TYPE "K" COPPER
SERVICE LINE. COMPRESSION TYPE
JOINTS. NO FITTINGS ALLOWED
BETWEEN CURB STOP AND CURB
STOP.

DOUBLE STRAP BRONZE TAPPING SADDLE.
FOR DUCTILE IRON, CAST IRON, ASBESTOS-
CEMENT PIPING USE FORD 202B, ROMAC
202B OR APPROVED EQUAL.
FOR PVC PIPE USE TAPPING SADDLE WITH
2-INCH WIDE STRAPS, ROMAC STYLE 202B
OR APPROVED EQUAL.

CORB. STOP: MUELLER P15008,
OR P25008, FORD F 1000, OR
FS 1000 COMPRESSION STYLE

**WATER TAP
CURB STOP & METER
VAULT**

N.T.S.



NOTE:
SERVICE LINE MATERIAL SHALL HAVE THE FOLLOWING
CLEARLY MARKED ON THE PIPE: FOR HDPE - CLASS, SIZE,
NAME OR TRADEMARK OF MANUFACTURER, DATE OF
MANUFACTURE, AND DEFLECTION ANGLE FOR BENDS.
FOR COPPER: TYPE, NAME OR TRADEMARK OF
MANUFACTURER, AND COUNTRY OF ORIGIN.

PERRY PARK WATER & SANITATION DISTRICT

LAST REVISION 05-21-2018

REVISED
10/9/0

REDWOOD FENCE POST WITH BLACK PLASTIC, BRONZE, OR BRASS POST CAP. SILICONE SEAL BOTH ENDS OF CONDUIT. REMOTE READER TO BE PLACED 2" FROM TOP OF POST.

DRILL HOLE IN POST FOR REMOTE READOUT WIRE.

NO 90° BENDS ALLOWED

VARIABLES

6' MIN

6' MIN

GOOSENECK CORE SIDE OF VAULT FOR CONDUIT.

6" x 12" x 2 3/8" CONCRETE BLOCK

DOUBLE STRAP BRONZE TAPPING SADDLE, FORD F 202 OR EQUAL.

CORB. STOP: MUELLER P15008, OR P25008, FORD F 1000, OR FB 1000 COMPRESSION STYLE

SEAMLESS TYPE "K" COPPER SERVICE LINE. COMPRESSION TYPE JOINTS. NO FITTINGS ALLOWED BETWEEN CORP. STOP AND CURB STOP.

CURB STOP SUITABLE FOR COMPRESSED COPPER INLETS AND OUTLETS. FORD B44-333 OR EQUAL.

LOCATE CURB STOP ON PROPERTY LINE.

12" MIN

6" - 8"

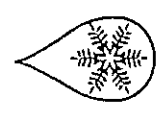
TO HOUSE

DETECTABLE WARNING TAPE FROM MAIN TO HOUSE. TAPE TO BE PURCHASED FROM DISTRICT.

CONTINUOUS WIRE (NO SPLICES) FROM METER TO REMOTE READOUT. EXCESS WIRE IN ROLL TO REMAIN IN VAULT.

WATER TAP CURB STOP & METER VAULT

N.T.S.



PROTECT
PRECIOUS
WATER
SUPPLY

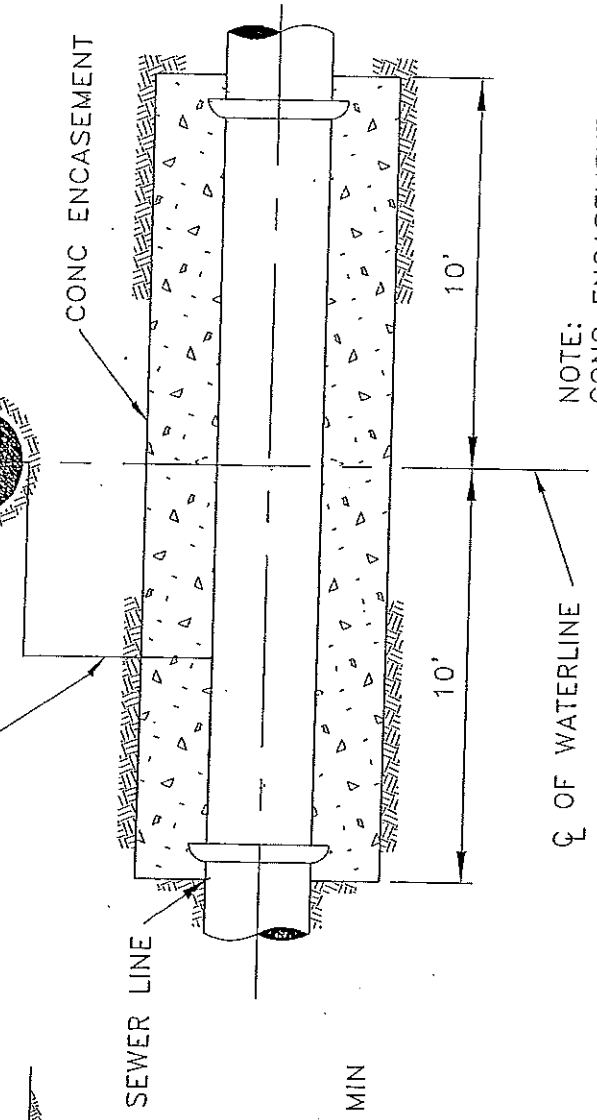
LAST REVISION 6-23-2003

PERRY PARK WATER & SANITATION DISTRICT

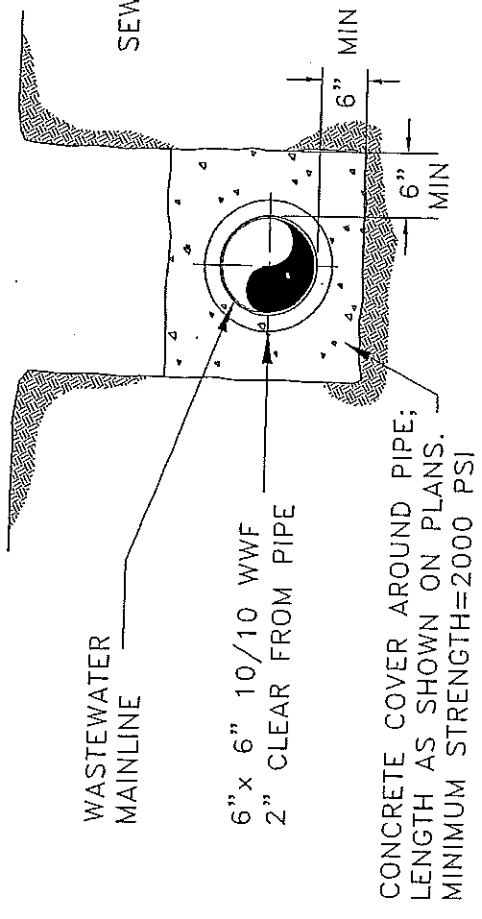
REVISED
10/9/03

CONC ENCASEMENT WILL BE REQD ON SEWERLINE WHEN CLEAR VERT DIST FROM WATERLINE IS LESS THAN 1'-6", WATERLINE IS BELOW SEWER, OR HORIZ DIST IS LESS THAN 10' BETWEEN LINES

NOTE:
ENCASEMENT TO BE CONSTRUCTED 10' ON EACH SIDE OF ϕ OF WATER MAIN WHEN REQUIRED BY SPECIFICATIONS.

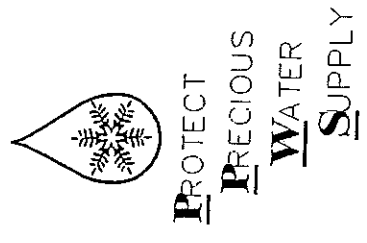


NOTE:
CONC ENCASEMENT REQD IN ALL CASES WHERE SEWER LINE IS ABOVE THE WATERLINE



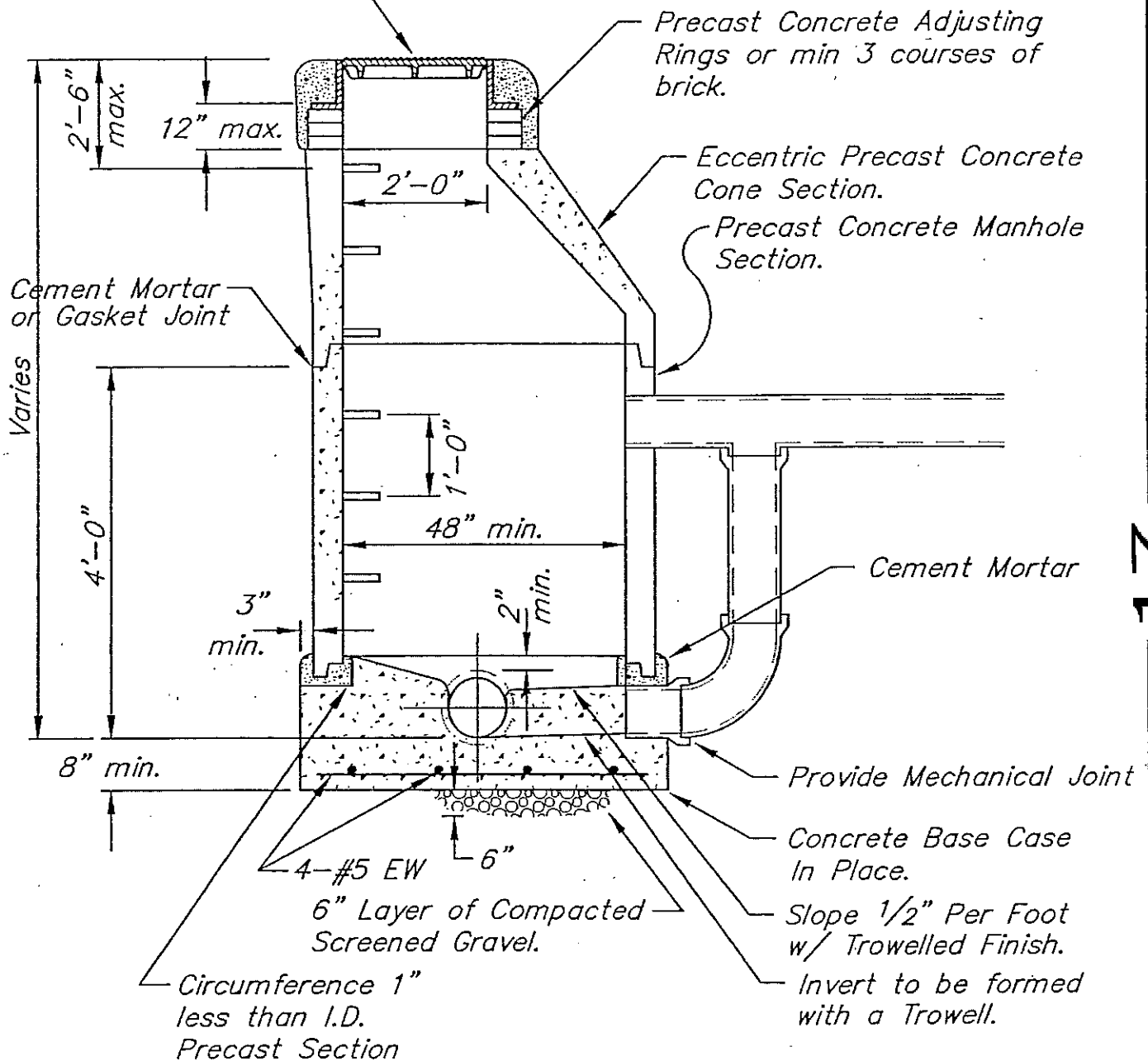
**CONCRETE
ENCASEMENT OF SEWER
DETAIL**
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT



REVISED
11/23/85

24" Cast Iron Manhole Ring & Cover set parallel to finished surface. Set 6" below surface in unpaved street.



Adopted 10/7/87 Resolution 87-128

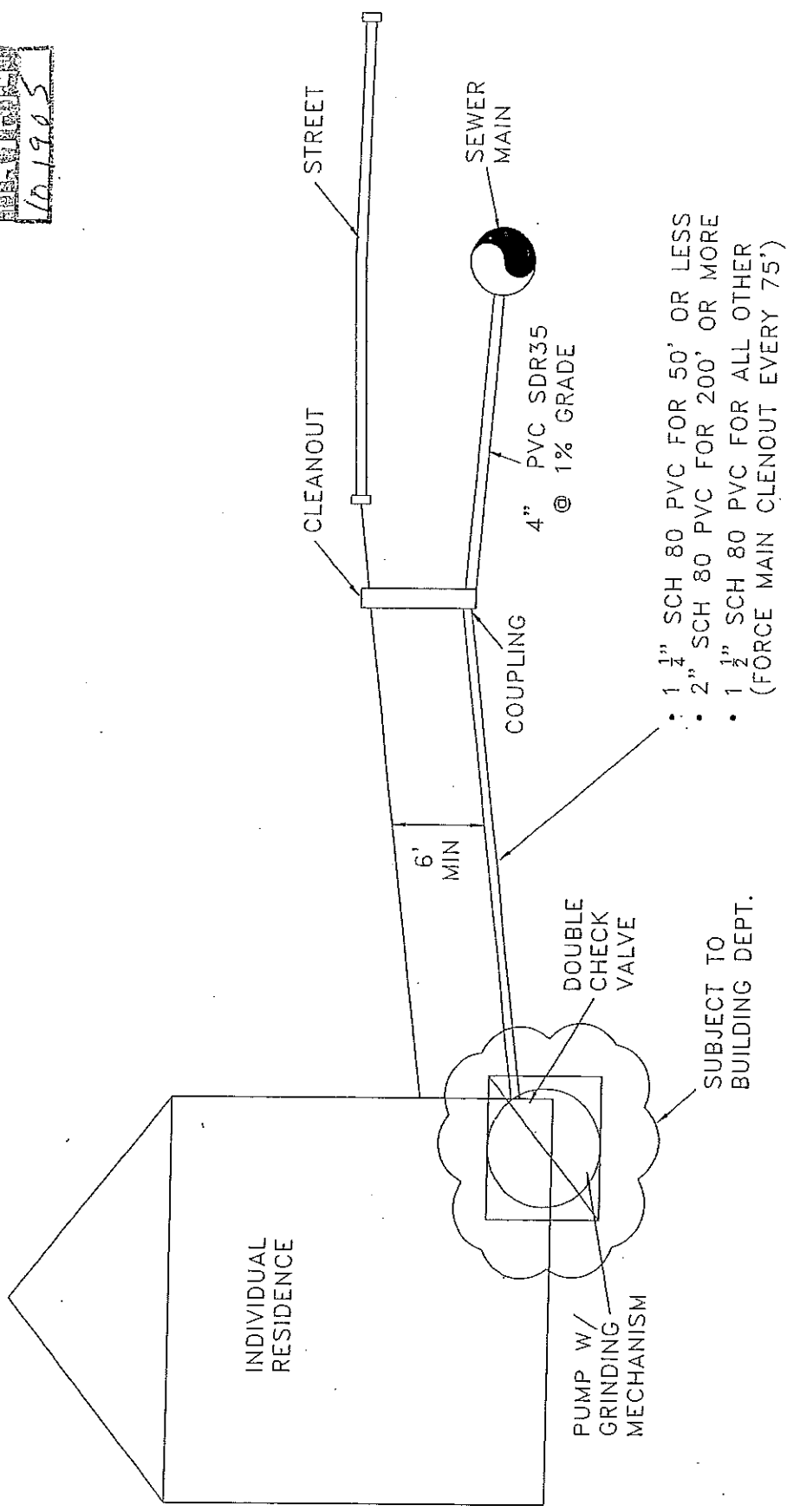
**CONSTRUCTION
STANDARDS**

**DROP
MANHOLE**

**PERRY PARK WATER &
SANITATION DISTRICT**

17

REVISED
10.19.05



- 1 1/4" SCH 80 PVC FOR 50' OR LESS
- 2" SCH 80 PVC FOR 200' OR MORE
- 1 1/2" SCH 80 PVC FOR ALL OTHER (FORCE MAIN CLENOT EVERY 75')

SUBJECT TO BUILDING DEPT.

INDIVIDUAL SEWER SERVICE FORCE MAIN

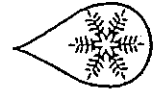
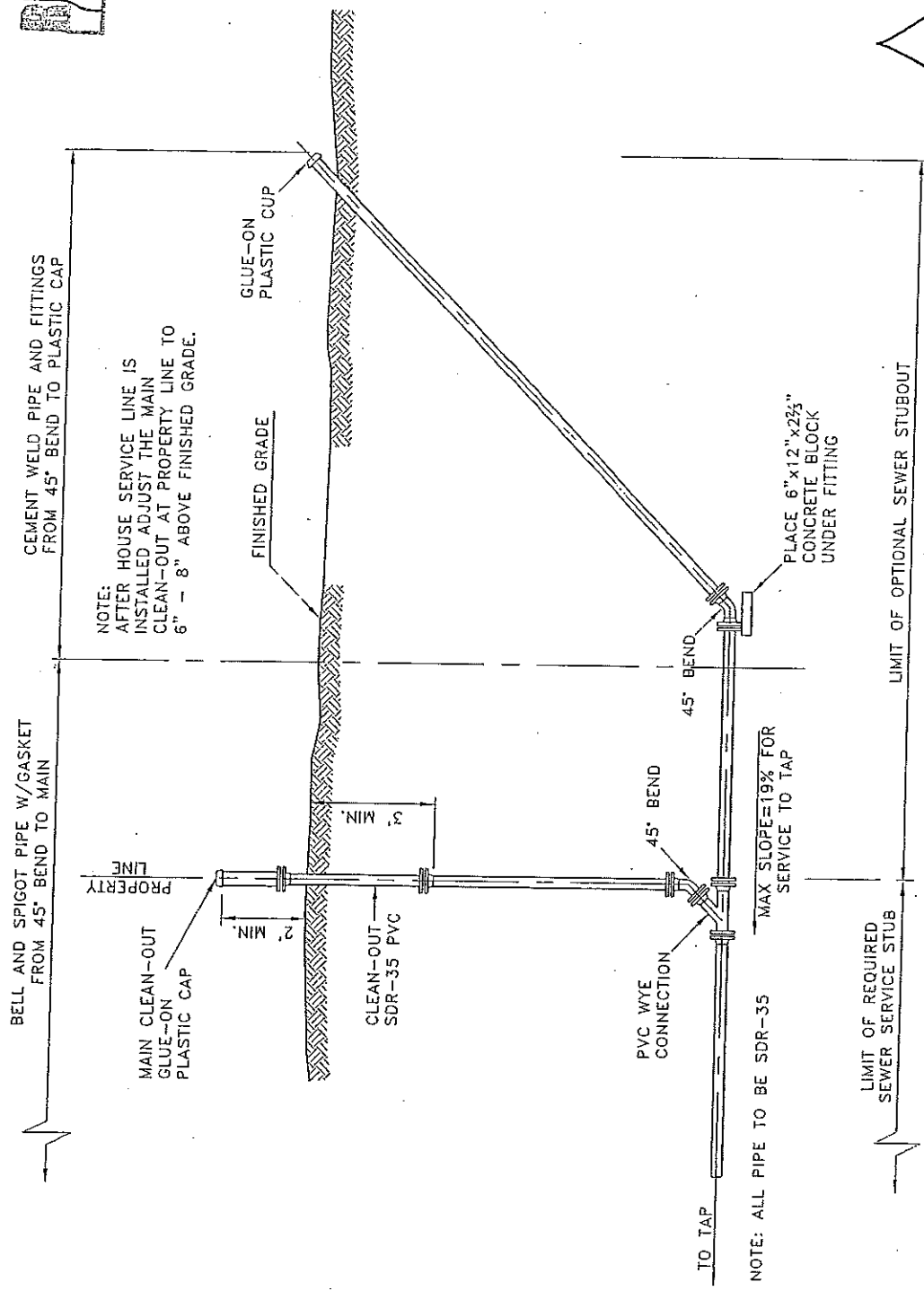
N.T.S.

LAST REVISION 3/13/2003

PERRY PARK WATER & SANITATION DISTRICT



REVISED
 7/19/05



PROTECT
PRECIOUS
WATER
SUPPLY

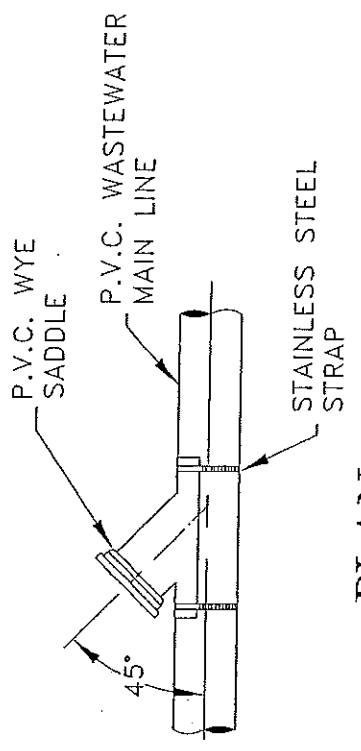
OPTIONAL SEWER STUBOUT DETAIL
 N.T.S.

LAST REVISION 5/19/2005 **PERRY PARK WATER & SANITATION DISTRICT**

PROCEDURE FOR MAKING GASKETED SEWER SADDLE CONNECTION

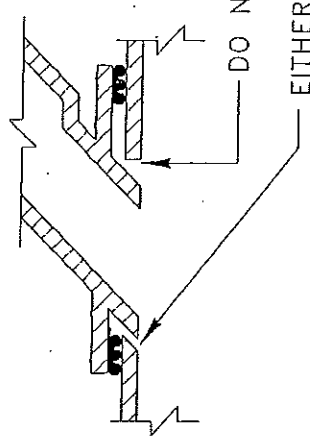
1. PLACE SADDLE IN POSITION ON PIPE. USE SADDLE AS A TEMPLATE AND MARK GUIDE FOR HOLE CUT IN. REMOVE SADDLE FROM PIPE.
2. USING HOLE GUIDE MARK, CUT HOLE THROUGH PIPE WALL OUTSIDE THE HOLE GUIDE MARK BY THE THICKNESS OF THE SADDLE STEM. THE DIAMETER OF THE HOLE SHOULD NOT EXCEED THE OUTSIDE DIAMETER OF THE SADDLE STEM BY MORE THAN 1/4". USE A HAND KEYHOLE OR POWER SABER TO CUT THE HOLE. FOR MOST SABER SAWS WITH HEAVY DUTY BLADES, THE BLADE SHOULD BE HELD HORIZONTALLY ACROSS THE PIPE AND PRESSED DOWNWARD UNTIL IT PENETRATES THE PIPE WALL. THEN THE BLADE CAN BE BROUGHT TO THE VERTICAL POSITION AND THE HOLE CUT COMPLETED. FOR WYE SADDLES, CUT OR BEVEL THE DOWNSTREAM END OF THE HOLE AT A 45° ANGLE TO ALLOW THE SADDLE STEM TO FIT.
3. WIPE CLEAN AND DRY BOTH THE UNDERSIDE OF THE SADDLE AND THE MATING SURFACE OF THE PIPE.
4. POSITION SADDLE OVER THE HOLE. PLACE THE TWO (2) STAINLESS STEEL HOSE CLAMPS AROUND THE PIPE AND THROUGH THE SLOTS AT EACH END OF THE SADDLE SKIRT. CHECK TO SEE THAT THE SADDLE STEM IS RECESSED IN THE HOLE AND THAT THE STRAPS ARE AT RIGHT ANGLES TO THE PIPE SURFACE.
5. ALTERNATELY TIGHTEN STRAPS WITH A LARGE SCREWDRIVER WITH A GOOD GRIP UNTIL THE MAXIMUM TORQUE HAS BEEN REACHED BY HAND. THE MINIMUM TORQUE APPLIED SHOULD BE 5 FT-LBS.
6. BACKFILL SHOULD BE CAREFULLY SELECTED AND TAMPED AROUND PIPE AND SADDLE TO PROVIDE FIRM AND CONTINUOUS SUPPORT FOR BOTH.

REVISED
10/19/0



PLAN VIEW

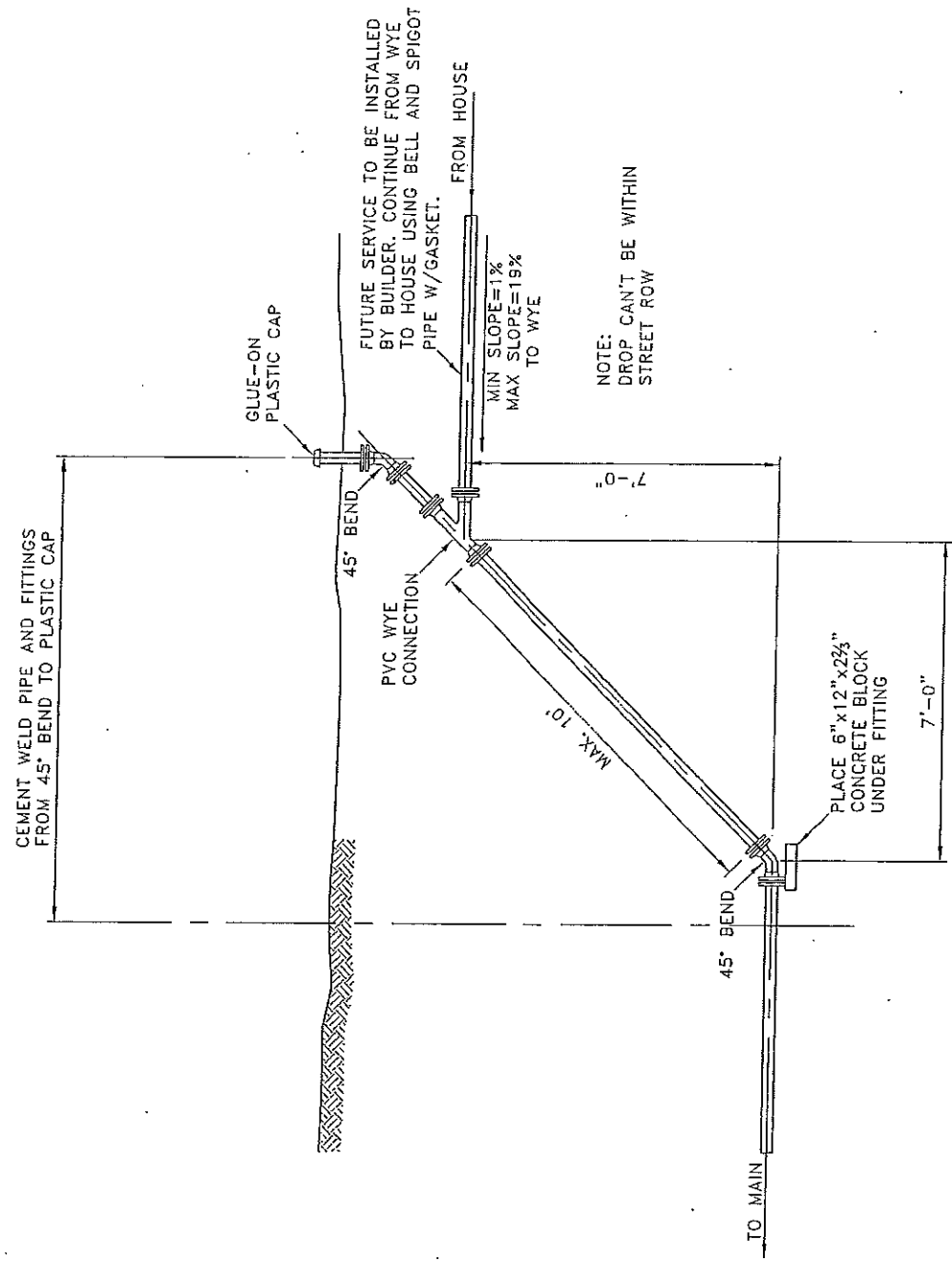
NOTE:
IF SADDLES ARE NOT PROPERLY POSITIONED THE RUBBER GASKET MAY NOT BE TOUCHING THE PIPE, POSSIBLY RESULTING IN A LEAK.



45° SADDLE
N.T.S.

45° SADDLE
1 OF 1

REVISED
101903

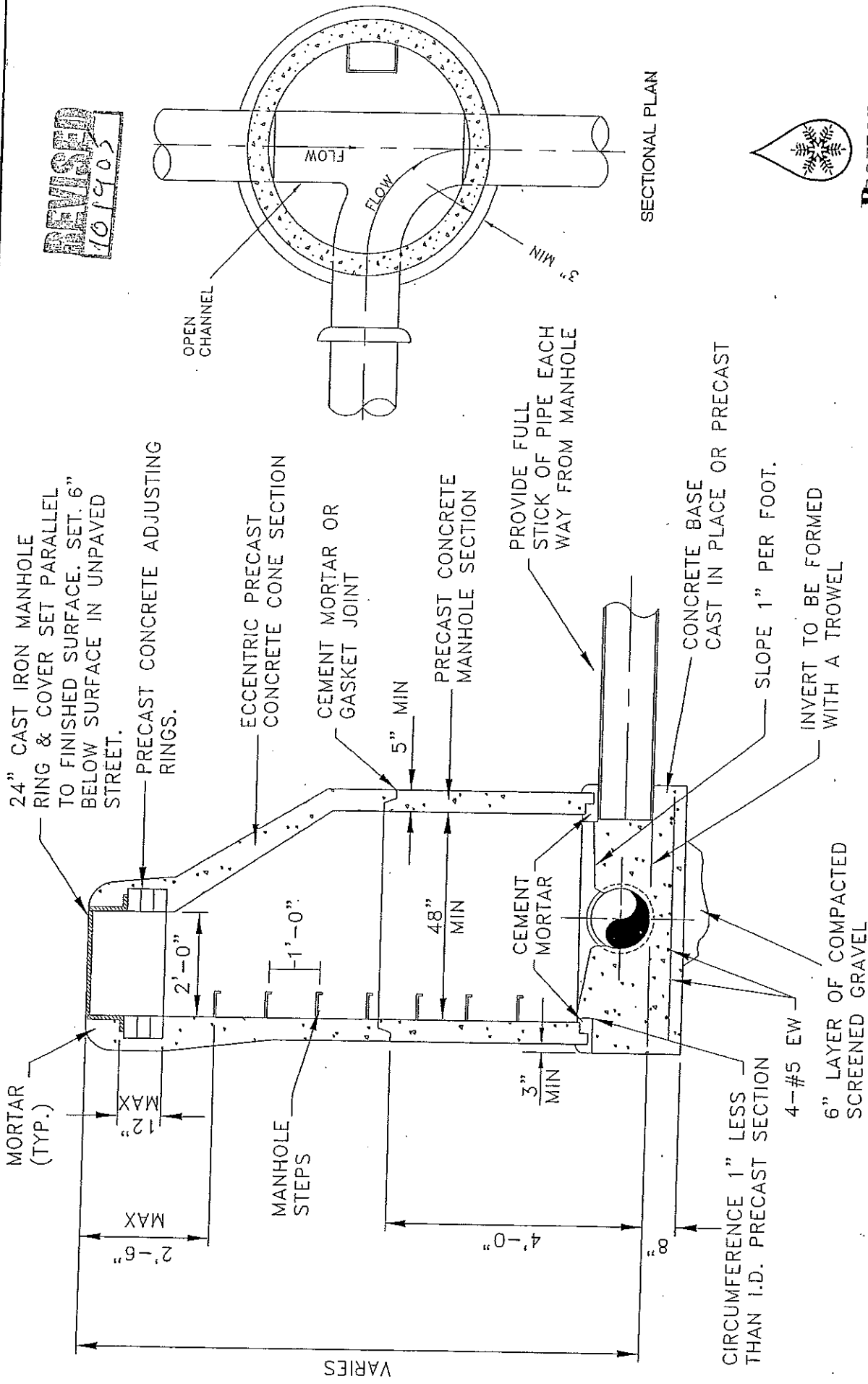


SEWER SERVICE DROP

N.T.S.

LAST REVISION 3/15/2005 PERRY PARK WATER & SANITATION DISTRICT

REVISED
10/1903

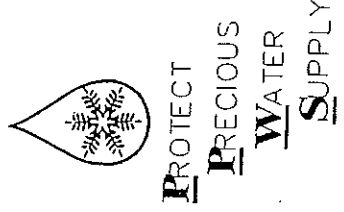


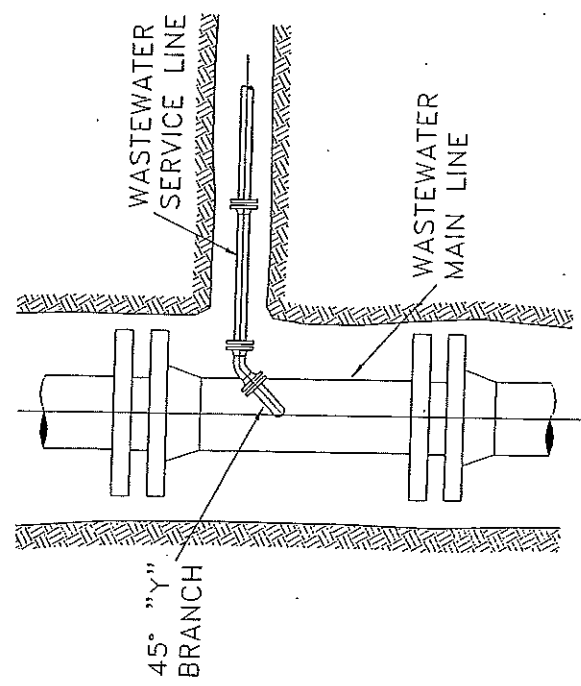
SECTIONAL PLAN

STANDARD MANHOLE

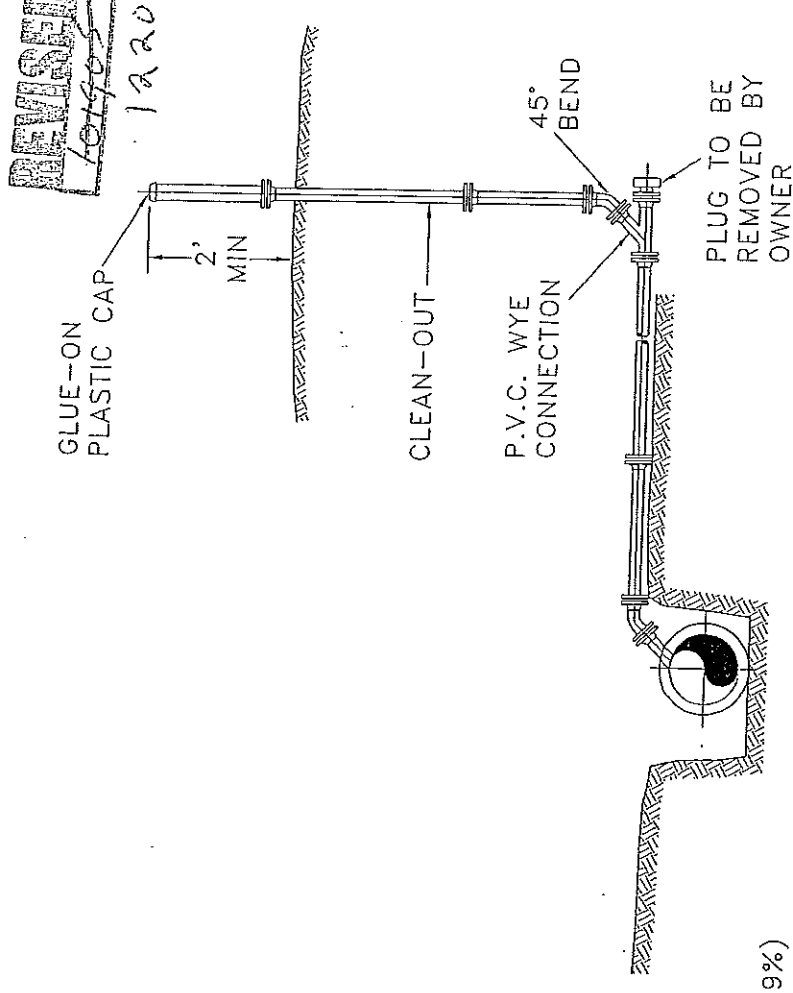
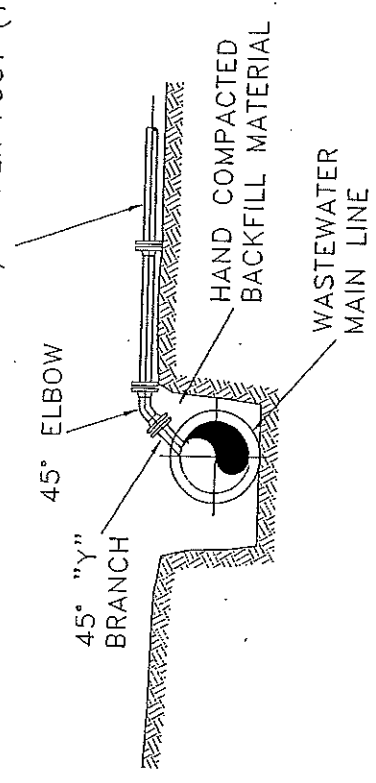
N.T.S.

PERRY PARK WATER & SANITATION DISTRICT





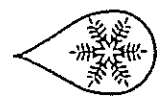
WASTEWATER SERVICE LINE
MIN SLOPE- 1/8" PER FOOT
MAX SLOPE- 2 1/4" PER FOOT (19%)



NOTE:
THE SEWER SERVICELINE IS REQUIRED
TO EXTEND TO THE PROPERTY LINE AND
INCLUDE A CLEANOUT AT THE END.

* BENDS LARGER THAN 45° WILL
NOT BE ALLOWED ON SERVICE
LINES

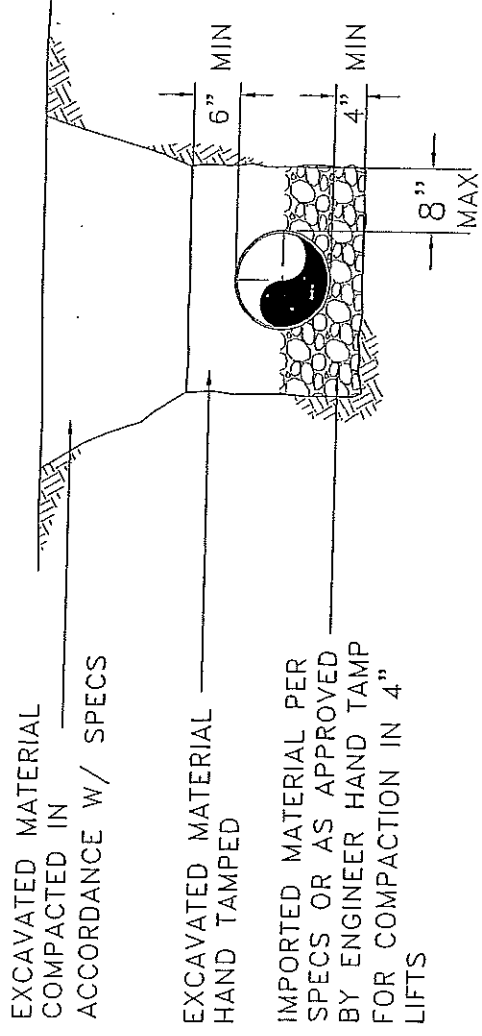
WYE CONNECTION
N.T.S.



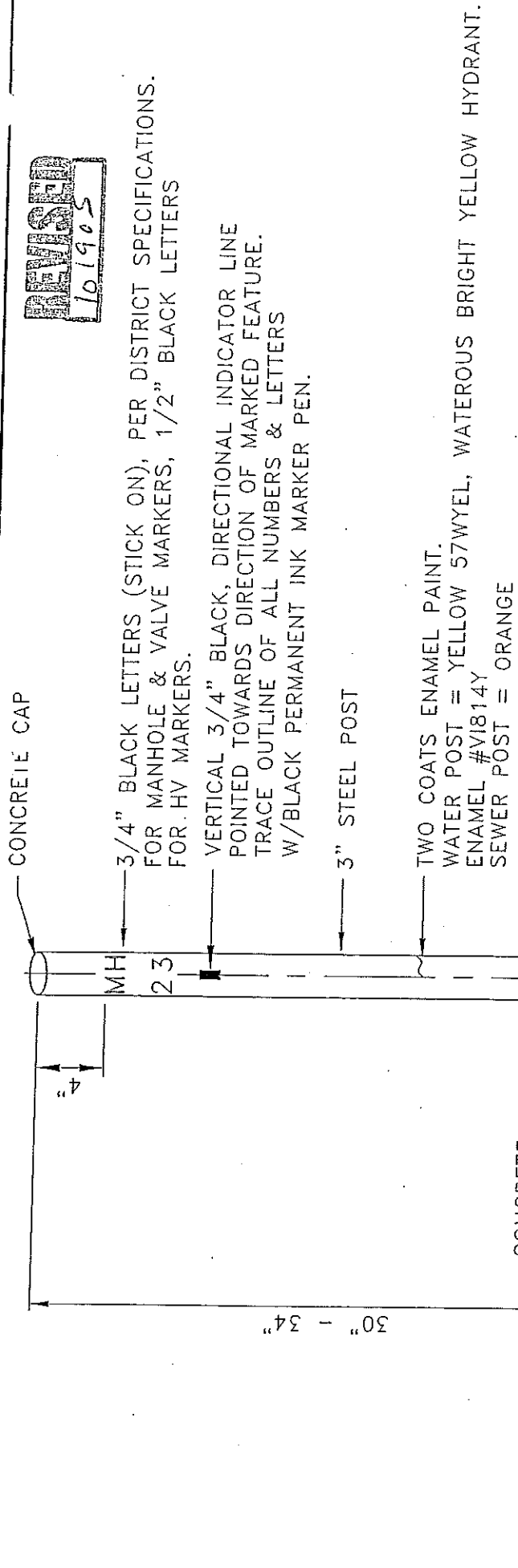
**PROTECT
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WATER
SUPPLY**

REVISED
10/14/03
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REVISED
10/90



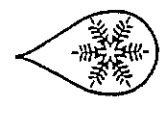
REVISED
10/19/05



LETTERING:

V	=	MAIN LINE VALVE
HV	=	FIRE HYDRANT VALVE
MH	=	MANHOLE

NOTE: POST MUST BE LOCATED ON PROPERTY LINE.



PRECIOUS
WATER
SUPPLY

VALVE AND MANHOLE MARKER POST

N.T.S.

PERRY PARK WATER & SANITATION DISTRICT

LAST REVISION 11-22-02